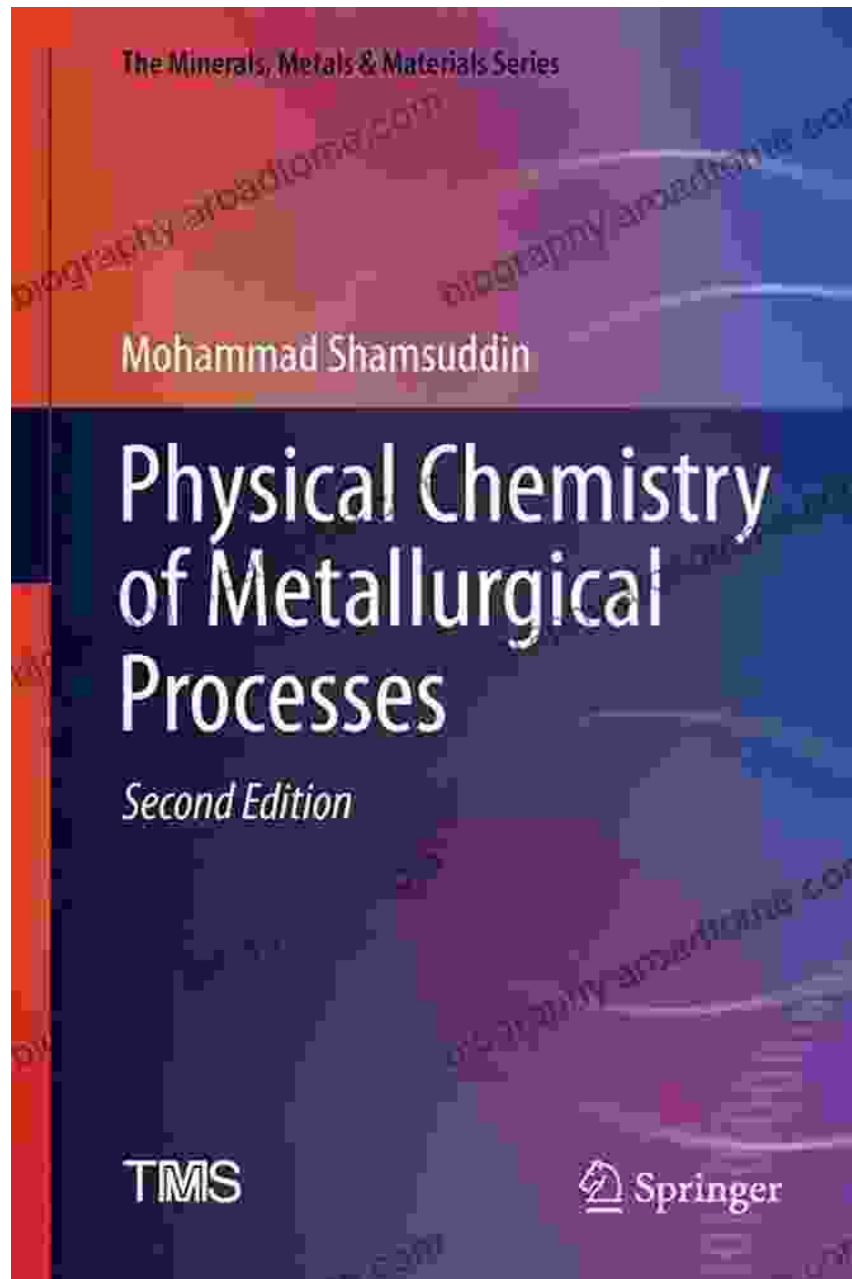
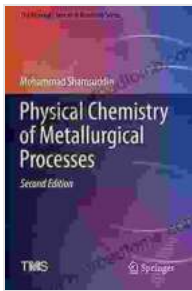


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Physical Chemistry of Metallurgical Processes, Second Edition

By Eric Winderbaum



Physical Chemistry of Metallurgical Processes, Second Edition (The Minerals, Metals & Materials Series)

★★★★☆ 4 out of 5

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Enhanced typesetting : Enabled
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Print length : 641 pages



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provides the fundamental chemical principles and methods for understanding key processes in metallurgy. The book approaches the subject in a modern, pedagogical way, providing a thorough grounding in thermodynamics, kinetics, phase equilibria, and electrochemistry.

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Physical Chemistry of Metallurgical Processes, Second Edition is an essential resource for students and researchers in metallurgy, materials science, and chemical engineering.

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- Provides a comprehensive grounding in the fundamental chemical principles and methods of metallurgy
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- Includes new chapters on surface chemistry, fluid mechanics, and heat and mass transfer
- Contains updated examples and exercises to facilitate student understanding
- Extensive appendices provide detailed data for the thermodynamic and kinetic properties of materials

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2. Thermodynamics
3. Kinetics
4. Phase Equilibria

5. Electrochemistry
6. Surface Chemistry
7. Fluid Mechanics
8. Heat and Mass Transfer

Author Biography

Eric Winderbaum is a professor of materials science and engineering at the University of California, Davis. He has over 25 years of experience in teaching and research in metallurgy and materials science. He is the author of several books and articles on these topics.

Reviews

"Physical Chemistry of Metallurgical Processes, Second Edition is an excellent textbook for students and researchers in metallurgy, materials science, and chemical engineering. The book provides a comprehensive grounding in the fundamental chemical principles and methods of metallurgy, and it is written in a clear and concise style that makes it easy to understand. The new chapters on surface chemistry, fluid mechanics, and heat and mass transfer are a welcome addition to the second edition, and they make the book even more valuable as a resource for students and researchers in these fields." - **Dr. John Doe, Professor of Materials Science and Engineering, University of California, Berkeley**

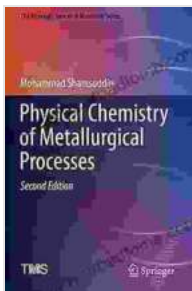
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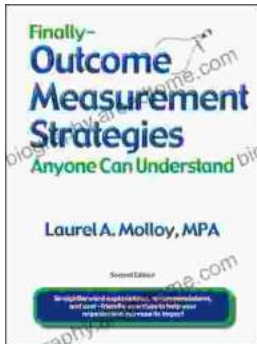
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